Detailed Teaching Plan

Name of Faculty   :Shalini Tiwari
Course Name   :Computer Fundamentals and Applications
Course Code   :2000176(022)
Branch and Semester   :CSE-Semester-1
Session   :July December 2024

Lecture No.	Unit No.	Topic to be covered
1	1	Computer block diagram-Central Processing Unit (CPU), Control Unit, Arithmetic logic Unit (ALU), Memory
2	1	Input Output Units- Monitor, Printers: Dot matrix, Laser, Inkjet, Plotters, Scanner
3	1	Input Output Units- Monitor, Plotters, Scanner
4	1	Concept of Hardware and Software- System software & Application Software
5	1	Operating system Concepts, Purpose and its Functions Operations of Windows OS
6	2	Introduction to MS Word
7	2	Features of MS Word
8	1	Data Representation- Bit, Byte, Nibble, Word, ASCII, BCD, EBCDIC, UNICODE
9	1	Data Representation- Bit, Byte, Nibble, Word, ASCII, BCD, EBCDIC, UNICODE
10	1	Introduction to Green IT Concepts: Ergonomics, Power Plans to maximize computer's performance and conserve energy.
11	1	Power Plans to maximize computer's performance and conserve energy.
12	1	Concept of minimizing Carbon Footprint, computing e-waste its toxic constituent and Health effects, e-waste management & recycling
13	5	Introduction to Networks- need and requirements
14	5	Need and requirements of different networks.
15	5	Types of Networks LAN, MAN, WAN
16	5	Brief of Internet Connectivity Devices and Services
17	5	Types of Networks LAN, MAN, WAN- Test
18	5	Intranet, Internet- Definition and difference
19	3	Introduction to Excel and its functions
20	3	Unique Features of Excel
21	5	VPN, Wi- Fi
22	5	Wi-Fi Router, Access Point
23	5	Wi-Fi Router, Access Point- brief revision of networks
24	5	Bluetooth devices
25	5	Description of switches
26	5	Modem
27	5	Needs and description of Modem
28	4	Introduction to MS Power-point and its features
29	5	Dial up, Leased line, DSL Broadband
30	5	Email, voice mail, Newsgroup
31	5	Chat, Video conferencing,
32	5	File Transfer Protocol
33	5	Web Browsers URL, Web Site, http Internet Services Queries, Search Engines
34	5	Introduction to Virus & Antivirus
35	5	Test-Difference between Intranet, Internet
36	5	Virus & its types
37	5	Antivirus Firewall, Overview of Cloud Computing
38	5	Antivirus Firewall, Overview of Cloud Computing-Revision Test